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1 PN="JP 62061065"

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DIALOG(R) File 351: Derwent WPI  
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007113805

WPI Acc No: 1987-113802/198716

Positively chargeable magnetic developer - contains magnetic toner,  
strontium oxide powder and positively chargeable silicic acid fine powder  
Patent Assignee: CANON KK (CANO )  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No

Kind

Date

Applicat No

Kind

Date

Week

JP 62061065

A

19870317

JP 85200458

A

19850912

198716 B

Priority Applications (No Type Date): JP 85200458 A 19850912

Patent Details:

Patent No Kind Lan Pg

Main IPC

Filing Notes

JP 62061065

A

11

Abstract (Basic): JP 62061065 A

The positively chargeable magnetic developer includes at least the  
magnetic toner, the positively chargeable silicic acid fine powder, and  
strontium oxide powder.

The mixt. ratio of the positively chargeable silicic acid fine  
powder to 100 wt.% of magnetic toner, is 0.01-20 wt.%, and that of  
oxide is 0.1-20 wt.%. The ave. particle dia. of the oxide is 0.01-5  
micron, and that of magnetic toner is 5-30 micron. The silicic acid  
fine powder is silicon dioxide anhydride (silica), aluminium silicate,  
sodium silicate, potassium silicate, magnesium silicate, etc. can be  
used. The surface of the silicic acid fine powder is treated by  
silicone oil having an amine at side chain, or the amino silane to be  
denatured to the positively chargeable.

USE/ADVANTAGE - The magnetic developer having the uniform  
positively chargeable property, can be obtd. The attachment of the  
toner to the background area at the development, the fogging, and the  
scattering of the toner to the peripheral edge of the latent image, can  
be remarkably prevented, and the image of high density, partic., the  
halftone image of high quality can be reproduced.

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Derwent Class: E37; G08; L03; P84; S06

International Patent Class (Additional): G03G-009/08

## Bibliographic Information

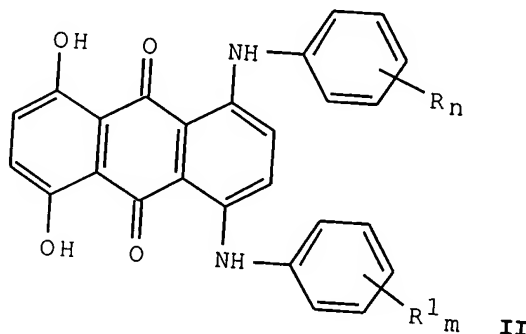
Colored polyester film supports for x-ray photographic films. Watanabe, Masaji; Kagiya, Takashi; Uchiumi, Shigeo. (Dia Foil K. K., Japan). Jpn. Kokai Tokkyo Koho (1980), 10 pp. CODEN: JKXXAF JP 55038825 19800318 Showa. Patent written in Japanese. Application: JP 78-111520 19780911. CAN 93:195465 AN 1980:595465 CAPLUS (Copyright 2001 ACS)

## Patent Family Information

<u>Patent No.</u>	<u>Kind</u>	<u>Date</u>	<u>Application No.</u>	<u>Date</u>
JP 55038825	A2	19800318	JP 1978-111520	19780911
JP 62061065	B4	19871219		

## Abstract

X-ray photog. polyester film supports are dyed by using 1,4-bis(3-cyclohexylsulfamoyl-2,4,6-trimethylphenylamino)anthraquinone (I) and II (R, R1 = lower alkyl, lower alkoxy;  $n \geq 1$ ;  $m \geq 1$ ). Thus, 100 parts of poly(ethylene terephthalate) prepd. from di-Me terephthalate and ethylene glycol was mixed with I 0.04 and 1,4-bis(p-toluidino)-5,8-dihydroxyanthraquinone 0.005 parts, and the mixt. was formed into a film which was useful as a support for x-ray photog. film.



## Patent Classifications

IPC: C08L067-00; C08K005-18; G03C001-78; C08K005-41.

Indexing -- Section 74-2 (Radiation Chemistry, Photochemistry, and Photographic Processes)

Radiography

(photog. films for, colored polyester film supports for)

Photographic films

(supports, dyed polyester film as, for radiog. uses)

23552-74-1

23941-48-2

28198-05-2

Role: USES (Uses)

(x-ray photog. film support dyed with compns. contg.)

25038-59-9, uses and miscellaneous

Role: USES (Uses)

(x-ray photog. film support, dyes for)

#### Supplementary Terms

x ray photog film support; anthraquinone deriv dye polyester film